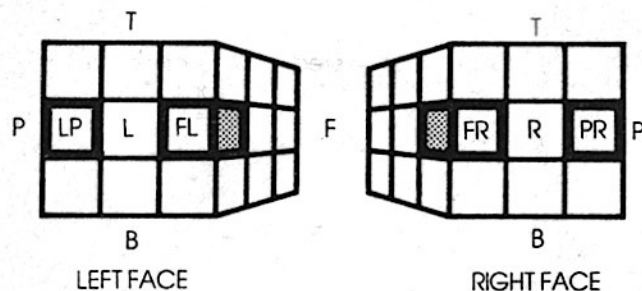


### STEP 3: VERTICAL EDGES (FL, FR, LP, PR)



The purpose here is to place and orient the 4 cubes that belong on the edges adjacent to but below the T face. This can be thought of as completing the "middle layer" or "equator." After completion of this step, the top two-thirds of the cube is correct. For each of 4 cubes that belong in the vertical-edge positions, do the following 4 steps (3A-3D). Again, you may be lucky to find some of these vertical-edge cubes already positioned and oriented correctly.

- 3A.** Locate a vertical-edge cube (one that belongs in a vertical-edge position) that is not currently correctly positioned and oriented. This is the desired cube. If the desired cube is correctly positioned but incorrectly oriented, go to step 3D.

- 3B.** If the desired cube is not on the B face, do the following sequence of moves. Hold the cube so the desired cube is at FR.

**\*\*Drop FR to B face (BP):**

**R- B+ R+ B+ F+ B- F-**

- 3C.** At this point, the desired cube is on the B face. Rotate the B face until the color of the vertical face of the desired cube matches the color of the center cube on one of the 4 side faces. Hold the cube so the desired cube belongs in the FR position. If it matches on the R face, do the sequence BR to FR. If it matches on the F face, do the sequence BF to FR.

TURN PAGE FOR STARTING  
POSITIONS FOR MOVES IN  
STEP 3 (VERTICAL EDGES).